

Similar Triangles

p. 388-389 q. 12

p. 390 q. 7,8,9

Primary Trig Ratios p. 418 q. 4-8

Non Right Triangle

p. 453 q. 6, 8, 10 & 11

Jan 5-10:49 AM

FORMULAS

$$M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$x^2 + y^2 = r^2$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$y = mx + b$$

$$D = \sqrt{x^2 + y^2}$$

$$D = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$y = ax^2 + bx + c$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

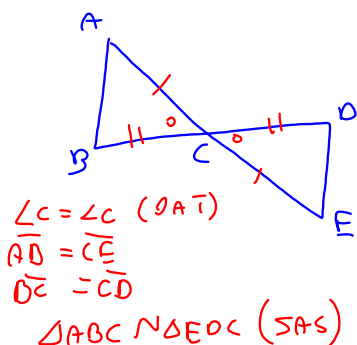
$$y = a(x - h)^2 + k$$

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$$y = a(x - s)(x - t)$$

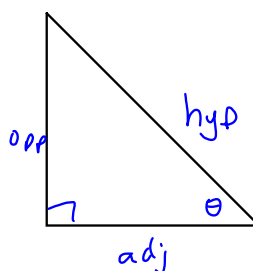
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$$\triangle ABC \sim \triangle EDC$$

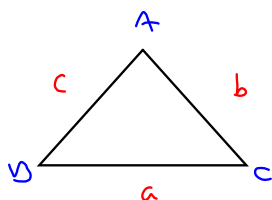


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Sin Law (matching pair)

$$\frac{\sin A}{a} = \frac{\sin B}{b} \quad \text{missing } \angle$$

Cosine Law (3 sides
2 sides, contained \angle)

$$a^2 = b^2 + c^2 - 2bc \cos \angle A$$

Jun 11-11:51 AM